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No. 52] NEW DELHI, SATURDAY, DECEMBER 29, 1984 (PAUSA 8, 1906)

इस भाग में निम्न पृष्ठ संख्या दी जाती है, जिससे कि यह अलग संकलन के रूप में रखा जा सके ।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta, the 29th December 1984

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1--387GI/84

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CORRIGENDUM

In the Gazette of India Part III, Section 2 dated 10th March 1984 at page 125 column 2 under the heading "Applications for Patents filed at the Patent Office Branch 61, Wallajah Road, Madras-600002" entry against number 42/MAS/84 add "(Divisional to Patent application No. 861/CAL/80)".

(1103)

APPLICATION FOR PATENT FILED AT THE HEAD
OFFICE 214, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-17

The dates shown in crescent brackets are the dates claimed
under Section 135, of the Act.

22nd November, 1984

803/Cal/84. Societe LUCRETIVUS Limited. A process for
concentrating a suspension of microscopic particles.
A device for implementing same and applications
thereof.

23rd November, 1984

804/Cal/84. Licentia Patent-Verwaltungs- GmbH. Autopneu-
matic Gas-Blast Circuit Breaker.

805/Cal/84. Federal-Mogul Corporation. Process for making
composite bearing material and bearing material
produced thereby.

806/Cal/84. Nippon Soda Company Limited. 1. 2. 4-Oxa
(Thia) Diazolin-3-One Derivatives.

24th November, 1984

807/Cal/84. Newport Pharmaceuticals International, Inc.
Process of preparing purine dihydrothiazole. [2nd
April, 1983].

26th November, 1984

808/Cal/84. Orissa Cement Limited. Method of Lining In-
duction Furnace with Ramming Mass or Mould-
able.

809/Cal/84. Hoechst Aktiengesellschaft. Process for the Pre-
paration of 5-Hydroxyethylsulfonyl-2-Aminophen-
ol (Ethers).

810/Cal/84. Eli Lilly and Company. Improvements in or re-
lating to Cephalosporin Derivatives.

27th November, 1984

811/Cal/84. Westinghouse Electric Corporation. Improve-
ments in or relating to molded case circuit breaker
with an apertured molded cross bar for supporting
a movable electrical contact arm.

812/Cal/84. Westinghouse Electric Corporation. Improvement
in or relating to molded case circuit breaker with
improved operating mechanism.

813/Cal/84. Westinghouse Electric Corporation. Improve-
ments in or relating to static var generator having
reduced harmonics.

814/Cal/84. Chinoi Gyogyszer-Es Vegyeszeti Termek
Gyara Rt. Insecticidal Composition.

815/Cal/84. Combustion Engineering, Inc. Detection of Clad
Disbond.

816/Cal/84. Dharendra Nath Mohanti. A liquid content indi-
cator gauge.

817/Cal/84. Mitsubishi Jukogyo Kabushiki Kaisha & Mitsubishi
Mining & Cement Co., Ltd. Method for milling
solid materials.

28th November, 1984

818/Cal/84. Voest-Alpine Aktiengesellschaft. Supporting
Frame.

819/Cal/84. Westinghouse Electric Corporation. Improve-
ments in or relating to molded case circuit breaker
with movable lower electrical contact.

820/Cal/84. Siemens Aktiengesellschaft. Handset for a Tele-
phone Station.

821/Cal/84. Drauss-Maffei Aktiengesellschaft. Discharge Shaft
for a vertical centrifuge. (10th November, 1984).

822/Cal/84. Krauss-Maffei Aktiengesellschaft. Bearing seal
for a centrifuge. (10th November, 1984).

823/Cal/84. Krauss-Maffei Aktiengesellschaft. Manhole lid
for a vertical centrifuge. (10th November, 1984).

APPLICATION FOR PATENTS FILED AT THE PATENT
OFFICE BRANCH, MUNICIPAL MARKET BUILDING,
THIRD FLOOR, KAROL BAGH, NEW DELHI-5

5th November, 1984

848/Del/84. Standard Telephones and Cables Public Limited
Company. "Oil resistant flame retardant composi-
tion". (Convention dated November 16, 1983,
U.K.).

849/Del/84. USM Corporation. "Extruder barrel construction".
(Convention date November 26, 1983), (U.K.).

850/Del/84. CPC International Incorporated. "A process for
the preparation of an adhesive composition".
[Divisional date March 19, 1981].

6th November, 1984

851/Del/84. UOP Inc., "Hydrocarbon treating process".

7th November, 1984

852/Del/84. Arun Pratap Singh. "Endless cassette changer".

853/Del/84. Georges Moatti. "Filter incorporating two dis-
tinct filtering stacks".

854/Del/84. Georges Moatti. "Filter incorporating multiple
chambers for receiving the filtered fluid and an-
other fluid issuing from the residue of the main
filtration".

855/Del/84. National Research Development Corporation.
"A method for producing multi layer expanded
films". (Convention date June 20, 1980) (U.K.).
[Divisional date June 11, 1981].

9th November, 1984

856/Del/84. Santa Barbara Research Center. "Fiber optics sys-
tem with self test capability".

857/Del/84. Licuse Technology Limited. "Wheelchair". (Con-
vention date November 14, 1983) (U.K.).

858/Del/84. Morgan Construction Company. "Automatic
gauge control system for multi stand tied block
rod rolling mill".

12th November, 1984

859/Del/84. Sven Runo Vilhelm Gebelius. "Method and ap-
paratus for desalination and/or purification of
water".

860/Del/84. Allied corporation. "Automatic slack adjuster".

13th November, 1984

861/Del/84. Union carbide corporation. "Rapid Decarburiza-
tion steel making process".

14th November, 1984

862/Del/84. Societe generale des eaux minerales de vittel.
"Process and device for producing a bag made
of flexible synthetic material".

863/Del/84. Societe anonyme dite: stein industries. "A device
for suspending a bundle of horizontal tubes in a
vertical plane, and method of fabricating the
device".

864/Del/84. Societe anonyme dite : compagnie industrielle des
telecommunications cit-alcatel. "A space subscriber
terminal device in a digital concentrator".

865/Del/84. Societe anonyme dite : stein industrie. "A system
for interlocking closely adjacent vertical length
of tube in a heat exchanger having loops".

15th November, 1984

866/Del/84. The British Petroleum Company P.L.C. "Con-
tainer for pressurised fluids".

867/Del/84. Necchi societa per azioni. "Muffler for moto
compressors".

868/Del/84. Societe anonyme monegasque toutelectric. "Pro-
cess for the control of the welding time of an
electrical welded union".

869/Del/84. Toyo Engineering Corporation. "Reactor for
catalytic reaction".

16th November, 1984

870/Del/84. Draks-harapu nagabhushana Rao. "An air fuel
vapour mixture promoting fitting for petrol
engines".

871|Del|84. Santa barbara research center, "High speed hot air leak sensor".

872|Del|84. Coal Industry (Patents) Limited, "Improvements in or relating to hot gas generation". [Convention date 6th December, 1983, (Great Britain)].

873|Del|84. The M. W. Kellogg Company, "A method for manufacture of a catalyst". [Divisional date 25th May, 1981].

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

5th November, 1984

827|Mas|84. A. Gnanasekaran. Smooth surface finishing cement concrete sentering.

828|Mas|84. A. Gnanasekaran. Smooth surface finishing cement concrete pipes.

829|Mas|84. A. Gnanasekaran. Smooth surface finishing cement concrete cistern or tank.

830|Mas|84. Dr. S. Thankayyan. Dr. T. N.'s universal surgical guard.

831|Mas|84. A. S. Marwah. A power generating plant.

832|Mas|84. Fives-Cail Babcock. Process and apparatus for the calcination of a pulverized mineral material.

833|Mas|84. Rieter Machine Works Ltd. Handling of conical thread packages. (2 December, 1983, United Kingdom).

834|Mas|84. Linde Aktiengesellschaft. Multiple temperature level regeneration of CO₂ from physical solvent.

6th November, 1984

835|Mas|84. Jeumont-Schneider. "AND" logic circuit with built-in safety.

836|Mas|84. Dana Corporation. System for shifting a vehicle to two or four-wheel drive.

837|Mas|84. Stauffer Chemical Company. Method for conducting a chemical process in a packed multi-tubular reactor.

838|Mas|84. A. A. R. C. (Management) Pty. Limited. A method and apparatus for continuously thermofforming the thermoplastic material. (November 8, 1983, Australia).

839|Mas|84. Horst Bredemeier. Rotary crane with foldable pillar.

840|Mas|84. Walter A. Schiesser. A method of producing rubber profiles for windshield wiper blades.

7th November, 1984

841|Mas|84. Mrs. S. Ramaswamy. New kerosene with stove.

842|Mas|84. Mrs. S. Ramaswamy. Portable drinking water-cooler for mines.

843|Mas|84. Mrs. S. Ramaswamy. Self-loading bucket for removal of silt in mines.

844|Mas|84. Mrs. S. Ramaswamy. Rubber coated wire rope for use in mines.

845|Mas|84. F. L. Smith & Co. Fast-acting spark-over detector. (November 9, 1983, United Kingdom).

846|Mas|84. S.E.C.O. Engineering Company Limited. (November 8, 1983, Great Britain).

847|Mas|84. Zellweger Uster Ltd. Measuring system for determining substance cross-section of textile material.

848|Mas|84. Zellweger Uster Ltd. Apparatus for monitoring thread breakage a continuous sequence of work positions on a textile machine.

849|Mas|84. Zellweger Uster Limited. Production of yarn bobbins.

850|Mas|84. Uniroyal Ingelbert Reifin GmbH. A vehicle wheel having a penumatic tyre.

9th November, 1984

851|Mas|84. C. Ramachandran. An improved method of filming motion pictures less than 35mm in presently existing camera and projecting less than 35 (Thirty five) millimetre idms in a 35 millimetre projector.

852|Mas|84. Henry Reed. Scaffolding. (November 11, 1983, United Kingdom).

853|Mas|84. Institut Francais Du Petrole. Method of producing a fluid contained in a geological formation comprising several fluids.

854|Mas|84. Keri-McGee Chemical Corporation. Method of preparing electrolytic manganese dioxide.

855|Mas|84. Selenia, Industrie Elettroniche Associate SpA. Adaptive radar signal processor for the detection of the useful echo and the cancellation of clutter.

12th November, 1984

856|Mas|84. R. H. Maindiratta. Novel framework and structures made therefrom.

857|Mas|84. Uhde GmbH. Device for performing exothermal catalytic gas reactions for the ammonia or methanol synthesis.

858|Mas|84. Uhde GmbH. Process for increasing the deuterium content in the hydrogen during the production of a hydrogen-containing gas.

859|Mas|84. Santrade Limited. Compound body and method of making the same.

13th November, 1984

860|Mas|84. Schmid Laboratories, Inc. Collagen Gel. process for making it and membrane articles made from said gel. (October 24, 1984, Canada).

861|Mas|84. Mobil Oil Corporation. Catalysis over activated zeolites.

862|Mas|84. Mobil Oil Corporation. Catalysis over activated high silica zeolites.

863|Mas|84. Mobil Oil Corporation. Catalysis over activated inorganic oxides.

864|Mas|84. Mobil Oil Corporation. Hydrocarbon conversion over activated high silica zeolites.

865|Mas|84. Mobil Oil Corporation. Hydrocarbon conversion over activated high silica zeolites.

866|Mas|84. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Support Disc Bearing.

14th November, 1984

867|Mas|84. Unie Van Kunstmestfabrieken B. V. Process for preparing urea.

868|Mas|84. Stamfcarbon B. V. Process for purifying a rubber.

869|Mas|84. Sanden Corporation. Scroll type compressor with displacement adjusting mechanism.

870|Mas|84. Zellweger Uster Ltd. Method for supervising winding machines, especially in textile industry, and apparatus for realizing the method.

871|Mas|84. Wilhelm Kullberg JR. Closure on a rectangular container for storing of liquid.

872|Mas|84. Sanden Corporation. Scroll type fluid displacement apparatus.

15th November, 1984

873|Mas|84. Continental Gummi-Werke Aktiengesellschaft. Unvulcanised tread strip for pneumatic vehicle tyres.

874[Mas]84. Mario CRIPPA. Mechanical assembly for reciprocally driving the gripper bearing belts in textile looms.

875[Mas]84. Metal Box Public Limited Company. A method of an apparatus for filling a container with gas. (November 16, 1983. United Kingdom).

876[Mas]84. Glaxo Group Limited. Medical Administration Device.

16th November, 1984

877[Mas]84. A. V. Kahnderia. Speech System.

878[Mas]84. U. V. Nayak. A device to produce, project and maintain beam/s of concentrated parallel solar rays in a fixed stationary path.

879[Mas]84. Institut Francais Du Petrole. Positioning of plugs or screens by horizontal drilling.

880[Mas]84. Peter Larws. Joint (ED)-Socket building block.

881[Mas]84. Amsted Industries Incorporated. Railway wheel roundity gage.

882[Mas]84. Alvin Badkowsky. Nuclear reactors of the seed and blanket type.

883[Mas]84. Corning Glass Works. Method of forming an optical fiber.

17th November, 1984

884[Mas]84. Lucas Industries Public Limited Company. Light Assembly. (November 19, 1983. Great Britain), Britain).

885[Mas]84. Allied Colloids Limited. Water soluble polymers and dispersions containing them.

886[Mas]84. Societe des Produits Nestle S.A. Antioxidant compositions.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15 of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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CLASS : 88E, 139D.

155053.

Int. Cl. C01 b 1/00.

IMPROVED PROCESS FOR THE PRODUCTION OF HYDROGEN.

Applicants & Inventors : GIUSEPPE GIAMMARCO AND PAOLO GIAMMARCO, OF SAN MARCO 3242, PALAZZO MOROLIN, VENEZIA, ITALY.

Application No. 1150/Cal/80 filed October, 10, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

An improved process for the production of hydrogen comprising reacting, in a conventional apparatus having a first unit defining a high temperature reaction stage, combustible substances with steam at high temperature to provide a high temperature gas, converting carbon monoxide present in the gas thus obtained in said first unit by reacting the carbon monoxide with steam in a second unit of the said apparatus defining a low temperature conversion stage and removing the CO_2 and/or $\text{CO}_2 + \text{H}_2\text{S}$ from the gaseous reaction mixture thus obtained to get hydrogen, in which the steam necessary for the functioning of said units is supplied by a process boiler, the improvement being characterised by

increasing the amount of steam present in the high temperature gas to enrich the gas and make it saturated during the conversion reaction by contacting the gas with a stream of boiler feed water which is heated upto $190-215^\circ\text{C}$ by means of the heat contained in the gaseous mixture at the outlet of said low temperature conversion stage,

bringing the high temperature gas from the high temperature conversion stage into direct contact with said heated stream of water to convert the heat of said water thus heated and the sensitive heat contained in the gas contacted with said water to produce steam until the gas from the high temperature conversion stage cools down to the saturation temperature in the range of $180-200^\circ\text{C}$ to provide a saturated gas, utilizing the heat of the high temperature gas prior to bringing the high temperature gas into contact with said heated stream of water to overheat said saturated gas upto the temperature required, namely, in the range of $210-230^\circ\text{C}$, for the functioning of the low temperature conversion stage, and delivering the thus overheated gas to said low temperature conversion stage.

Compl. specn. 34 pages. Drgs. 1 sheet.

CLASS : 36A, 163D.

155054.

Int. Cl. F04 c 15/00.

A MULTISTAGE CONDENSATE PUMP.

Applicants : KLEIN SCHANZLIN & BECKER A.G., OF POSTFACT 225, JOHANNKLEIN STRASSE 9, D-6710 FRANKENTHAL (PFALZ), FEDERAL REPUBLIC OF GERMANY.

Inventor : KARL GAFFAL.

Application No. 158/Cal/81 filed February 11, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A multistage condensate pump having rotors for respective stages of the pump secured to a common pump shaft rotatably mounted in a pump casing, the pump having a double-suction first stage, including a double-suction first rotor secured to said common shaft, said first rotor being mounted overhung in the casing, the first rotor having elongated rotor necks, each of which, in conjunction with the respective radially opposing surface of the pump casing, forms a respective hydro-static radial bearing arrangement comprising hydrostatic bearings proper which are connected via fluid supply lines with one of the subsequent pump stages for supply of fluid thereby, said hydrostatic bearings proper being disposed on the elongated rotor necks or on said radially opposing surfaces of the casing, and wherein the pump shaft is mounted in the casing between the first stage and second stage of the pump by way of a hydrodynamic radial bearing, and means producing a high flow resistance are provided at that exit orifice of the hydrodynamic radial bearing which extends towards the intake side of the first rotor.

Compl. specn. 10 pages. Drgs. 1 sheet.

CLASS : 146D.

155055.

Int. Cl. H01 p 1/00.

A FIBER OPTICS COMMUNICATION DEVICE FOR ALLOWING SELECTIVE TUNED COUPLING OF THE ELEMENTS THEREOF.

Applicants : POLAROID CORPORATION, OF 549 TECHNOLOGY SQUARE, CAMBRIDGE, MASSACHUSETTS 02139, U.S.A.

Inventor : HICKS JOHN WILBUR.

Application No. 375/Cal/81 filed April 4, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims

A fiber optics communications device for wavelength selective energy transfer comprising first and second elongated fiber optics waveguide structures of different physical characteristics to produce a different dispersion in each of the structures, the first waveguide structure supporting at least two wavelengths in only a single energy mode the phase velocity of which has a certain wavelength dependence and the second waveguide structure supporting an energy mode the phase velocity of which has a substantially different wavelength dependence, the phase velocity of the single energy mode supported by the first waveguide structure being equal to the phase velocity of the energy mode supported by the second waveguide structure at a certain wavelength, but with substantially different dispersions of the two propagated energy modes, and also providing coupling between the waveguide structures for a portion of their lengths.

Compl. specn. 26 pages. Drgs. 4 sheets.

CLASS : 56F. 155056.

Int. Cl. C10 g 1/06.

PROCESS FOR HYDROTREATING CARBONACEOUS MATERIALS.

Applicant & Inventor : ROLLAN SWANSON, OF 100 WALL STREET, NEW YORK, NEW YORK 10005, U.S.A.

Application No. 401/Cal/81 filed April 14, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A process for hydrotreating carbonaceous material, characterized in that the carbonaceous material is simultaneously subjected in a reaction vessel to steam and a reagent comprising an empirical hydrate of a sulfur-containing compound comprising alkali metal hydrosulfides, alkali metal monosulfides, alkali metal polysulfides and mixtures thereof to produce principally normally liquid hydrocarbon products of increased hydrogen content as compared to the carbonaceous material, the reaction conditions being such as to prevent formation of free water in an amount sufficient to decompose the reagent.

Compl. specn. 29 pages. Drgs. Nil.

CLASS : 179A. 155057.

Int. Cl. B65d 39/00.

CONTAINER HAVING A WALL DEFINING AN APERTURE.

Applicants : METAL BOX LIMITED, OF QUEENS HOUSE, FORBURY ROAD, READING RG1 3JH, BERKSHIRE, ENGLAND.

Inventors : MARTIN FRANK BALL AND FRED FIDLER.

Application No. 402/Cal/81 filed April 15, 1981.

Convention date 15th April, 1980 (12372/80) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A container having a wall defining an aperture, an annulus of gasket material on the interior surface of the wall surrounding the aperture, and a plug closure, of plastics material, comprising a plug portion extending through the aperture and a flange extending axially and outwardly from one end of the plug portion to surround said plug portion so that the periphery of the flange engages the gasket material, the flange reducing in thickness from the plug portion to its periphery to terminate in a featheredge in sealing engagement with the gasket material, said plastics material being too stiff to permit pulling of the flange through the aperture.

Compl. specn. 13 pages. Drgs. 2 sheets.

CLASS : 98G.

155058.

Int. Cl. F28 d 3/00; F28 f 27/00.

DEVICE FOR DISTRIBUTING A LIQUID IN THIN FILM FORM IN VERTICAL HEAT-EXCHANGERS.

Applicants : SNAMPROGETTI S.P.A., OF CORSO VENEZIA 16, MILAN, ITALY.

Inventor : VINCENZO LAGANA'.

Application No. 520/Cal/81 filed May 15, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A device for distributing a liquid in the form of a thin film in vertical heat-exchanging apparatus of the kind comprising an outer casing having an opening for feeding the liquid to be processed, an opening for discharging the as processed liquid, an opening for venting off gases and vapors, an opening for introducing a heating medium, an opening for discharging said medium and in the interior from top to bottom, a liquid distributor of the type herein described having the task of spreading said liquid all over the internal cross-sectional area of said casing and means for supporting said distributor, internally hollow "reeds" for distributing the liquid in film form into the tubes of an underlying tube bundle, said "reeds" having tangential bores through the intermediate section of their peripheral surface and being internally hollowed out, a top tube plate secured to the casing wall and in which there are inserted the top end sections of the tubes of said bundle, said "reeds" being inserted into the tubes of said tube plate in the top portion of said tube plate said tube bundle, a bottom tube plate secured to the casing wall and in which there are inserted the bottom end sections of the tubes of said bundle, characterized in that the liquid-distributing "reeds" are sealed at their tops and are equipped with perforations through their peripheral surface in the vicinity of the sealed tops for discharging gases and vapors, said "reeds" supporting a grid of parallel bars each of which rests on the edges of any two adjoining reed rows, said grid bars supporting a mesh which sustains a packing bed.

Compl. specn. 9 pages. Drgs. 1 sheet.

CLASS : 120-C. 155059.

Int. Cl. F02 f 7/00.

CASING MEMBER ON INTERNAL COMBUSTION ENGINE, SUCH AS OIL SUMP OR SIMILAR PARTS.

Applicant : M.A.N. MASCHINENFABRIK AUGSBURG-NURNBERG AKTIENGESELLSCHAFT, OF POSTFACH 440100, 8500 NURNBERG 44, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. HERIBERT MOLLER.

Application No. 713/Cal/81 filed June 30, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A casing member for noise-reducing closure of oil carrying components of internal combustion engines, made by casting, characterised in that said casing member is formed with a scale-shaped surface/surfaces and/or cross section-cross sections for the purpose of detuning of its natural frequency of vibration from the region of the inherent noise frequency range and/or disturbing natural vibrations of said engines, all plane areas of said casing member being cast so as to be provided with grooves or stiffening ribs in a reticulated pattern.

Compl. specn. 8 pages. Drgs. 1 sheet.

CLASS : 190-B.

155060.

Int. Cl. : F01 d 17/00.

IN A POWER PLANT A SYSTEM FOR CONTROLLING THE OPERATION OF A STEAM TURBINE.

Applicant : GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY 5, NEW YORK, UNITED STATES OF AMERICA.

Inventors : 1. KAZUMI TSUBAKI, 2. NORIAKI KOTO,
3. TOYOHICO ABE.

Application No. 1410-Cal-81 filed December 11, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A process for producing a copolymer of ethylene and a C_4 - C_{10} α -olefin at a content of 0.5-10 mol% which comprises forming a polymerization catalyst system by reacting a Grignard reagent such as herein defined with a chain or cyclic hydriopolysiloxane having the unit

$$\text{R}^1, \text{H}_b, \text{Sio} \xrightarrow[2]{4-a-b}$$
$$\mathbb{R}^{2n} M(z) X_{z=0}$$

(R² represents a C₁-C₁₃ hydrocarbon moiety; M represents Al or Si; z represents atomic value of 3 or 4; X represents a halogen atom; n is 0, 1 . . . (z-1) in the presence of an aromatic hydrocarbon solvent at lower than 85°C to form a reaction product (b); and reacting the reaction product (b) with at least one titanium halide such as herein defined in the presence of an organic acid ester (c) such as herein defined to obtain a solid catalytic component (A) and adding an organoaluminum compound (B) such as herein defined and the, polymerizing ethylene and a C₄-C₁₀ α-olefin in the presence of a catalytic amount of the polymerization catalyst system in an inert hydrocarbon solvent or in a liquid form of the C₄-C₁₀ α-olefin in which ethylene is dissolved.

a main control valve position feedback means providing signal to said bypass control means whereby the floor pressure setpoint is superseded by a variable pressure setpoint after the main control valve has reached a reserve position setpoint.

Compl. specn. 20 pages. Drgs. 4 sheets.

CLASS : 68-B. 155061.

Int. Cl. : H 01 b 3/56, 7/18.

GAS INSULATED TRANSMISSION LINE WITH ADHESIVE PARTICLE TRAP CARRIER.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : 1. MELVYN DALE HOPKINS, 2. PHILIP CLARENCE BOLIN.

Application No. 1326|Cal|81 filed November 25, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

An apparatus for providing controlled heat input to an extractive distillation column comprising an extractive distillation column, a source of extractant connected to the extractive distillation column; a source of starting material connected to the extractive distillation column, a conduit connected to the extractive distillation column for removing the raffinate; a conduit connected to the extractive distillation column for removing residue containing the extractant; heating means at the bottom of the column; a major source for feeding thermal energy to the heating means; and a controlled minor source for feeding thermal energy to the heating means.

Compl. specn 26 pages. Drgs. 2 sheets.

Compl. specn. 14 pages. Drgs. 3 sheets.

CLASS : 32-E. 155062.

Int. Cl. : C 08 f 15|00.

PROCESS FOR PRODUCING COPOLYMER OF ETHYLENE

Applicant : NISSAN CHEMICAL INDUSTRIES LTD.
OF 7-1, 3-CHOME, KANDA-NISHIKI-CHO, CHIYODA
KU, TOKYO, JAPAN.

CLASS : 167-A. 155064.

Int. Cl. : B 07 b 1/00.

SIEVE SCREEN.
Applicant: N. GREENING LIMITED, OF BRITANNIA
WORKS, BEWSFY ROAD, WARRINGTON WAS 51X,
ENGLAND.

Inventor : 1. ANTHONY GEORGE HASSALL.

Application No. 30[Ca]81 filed January 12, 1981.

Convention dated 12th January 1980 and 21st June, 1980
(80/01086) & (80/20391) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 claims

A sieve screen for sizing and/or deliquescing particulate material, comprising a plurality of apertured metal sieve elements and attachment means of synthetic plastics or natural or synthetic rubber cooperating with edge portions of each sieve element to secure the elements to an underlying support structure wherein the attachment means comprises a separate collar for each element and completely surrounding the element.

Compl. specn. 24 pages. Drgs. 5 sheets.

CLASS : 55-A. 155065.
Int. Cl. : A 61 k 27/00.

A PROCESS FOR PREPARING A SPORICIDAL COMPOSITION.

Applicant : SURGIKOS, INC., OF 501 GEORGE STREET NEW BRUNSWICK, NEW JERSEY 08903, U.S.A.

Inventor : 1. PAUL TAYLOR JACOBS.

Application No. 787/Cal/81 filed July 14, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A process for preparing a sporicidal composition having low odor and irritation potential comprising admixing an aqueous solution containing 0.1% to 3% by weight of a 2 to 6 carbon atom saturated dialdehyde and 5% to 25% by weight of a diol or mono-substituted diol of the formula $RO(CH_2CH_2O)_nCH_2CH_2OH$, where R is H or CH_3 —and n is an integer from 1 to about 22 and optionally containing from 0.1 to 3% based on the weight of the solution of formaldehyde.

Compl. specn. 24 pages. Drgs. 1 sheet.

CLASS : 181. 155066.
Int. Cl. : F 16 j 15/52.

MECHANICAL FACE SEAL INCORPORATING BELLOW UNIT.

Applicant : CRANE PACKING LIMITED, OF CROSS-BOW HOUSE, LIVERPOOL ROAD, SLOUGH, ENGLAND.

Inventors : 1. GEOFFREY LUXFORD, 2. GRANT ANTHONY MASOM.

Application No. 833/Cal/81 filed July 24, 1981.

Convention dated 24th July 1980 (8024235) UK.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A mechanical face seal for providing a seal between a pair of relatively rotatable machine components, and which in use are subjected to a pressure differential, comprising a first seal face member which is secured in fluid-tight manner to one of said components and has a sealing face, a second seal face member having a sealing face which is urged against the sealing face of the first seal face member the second seal face member being secured to the other of said components by means of a flexible resilient formed bellows unit (as hereinbefore defined) which serves to seal the second seal face member to said other component, said bellows unit having a plurality of convolutions, the crowns of the convolutions which are directed towards the high pressure side of the seal being of greater radius of curvature than the crowns of the convolutions directed towards the low pressure side of the seal.

Compl. specn. 17 pages. Drgs. 1 sheet.

CLASS : 127-A & I. 155067.
Int. Cl. : F 16 d 1/00.

A FIXING MEMBER ADAPTED TO BE CLAMPED TO A SHAFTLIKE MEMBER.

Applicant & Inventor : BOERGE MARTINS, OF 150, ARSTER HEERSTRASSE, D-2800 BREMEN, FEDERAL REPUBLIC OF GERMANY.

Application No. 835/Cal/81 filed July 24, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A fixing member adapted to be clamped to a shaft-like element and comprising a dished disc provided with a centre opening which is to conform to the shaft-like element, and with a substantially conical main portion intended to be axially supported at its outer circumference by a counter-member, said main portion being provided with axially directed clamping means adapted to cause the centre opening to reduce in diameter to grip the shaft-like element, the portion of the disc bordering the centre opening being provided with folds so that the portion of the disc defining the centre opening has a zig-zag or wave-like shape, the folds being shaped to leave between them flat unfolded disc portions at a position spaced from the centre openings.

Compl. specn. 22 pages. Drgs. 6 sheets.

CLASS : 187-C₁. 155068.
Int. Cl. M 04 m 3/00.

APPARATUS FOR SIGNALLING IN PBX SYSTEMS.

Applicant : SIEMENS AKTIENGESellschaft, OF BERLIN AND MUNICH, WEST GERMANY.

Inventor : 1. DIETER BLOSSFELDT.

Application No. 1017/Cal/81 filed September 10, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

Apparatus for signalling in a PBX system being a small private branch exchange system in which a plurality of telephone sets are connected in a star arrangement to a central device via respective associated four-wire subscriber lines each constituting a speech wire-pair and a signalling wire-pair which latter wire provides two-way alternate digital data transmission between the associated telephone set and the central device, the transmission in one direction being provided by variation of signalling line voltage and in the other direction by signalling line current variation, said apparatus comprising a sending unit for transmitting voltage pulses as said digital data via the signalling wire-pair (signalling line voltage variation), a reactive current arranged to deform rectangular voltage pulses produced for transmission as said digital data and two substantially corresponding receiving circuits one of which is connected to the sending unit and arranged at the transmitting end to provide a synchronising signal as a result of detection of each transmitted pulse, the other receiving circuit being for use at the receiving end for pulse detection and synchronisation so that timing signals at transmitting and receiving ends can be made mutually synchronous.

Compl. specn. 20 pages. Drgs. 2 sheets.

CLASS : 195-D. 155069.
Int. Cl. : G 01 f 7/00, 13/00.

LIQUID STORAGE AND MEASUREMENT SYSTEM.

Applicant : AVERY-HARDOLL LIMITED, OF DOWNEY ROAD, HAVANT, HANTS, PO9 2NW, ENGLAND.

Inventor : 1. JOHN ANTHONY THOMSON.

Application No. 1044/Cal/81 filed September 19, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A liquid storage and measurement system including a liquid container arranged to be partially filled with liquid to provide a liquid/gas interface, means for supplying liquid to the container, means for discharging liquid from the container, transducer means including reference means for continuously monitoring the level of the liquid in the container and means for providing an indication of the volume of liquid discharged.

from the container, characterised in that the liquid container is a liquid measurement/storage vessel of known dimensions, said transducer means during discharge of the liquid from the vessel continually sensing and monitoring the level of the interface during each of a plurality of predetermined time intervals such as to produce an electrical signal indicative of the position of the interface during each predetermined time interval, said reference means comprising signal generating means arranged to produce an electrical signal indicative of a reference interface level during each said time interval, measuring means responsive to the reference and interface signals to provide an indication of the change in position of the interface during successive time intervals and control means responsive to said signals to produce data representative thereof for use in an algorithm related to the known dimensions of the measurement/storage vessel and the rate of change of level in the vessel between the reference and interface levels to provide a volumetric indication of the liquid being continuously discharged at any instant from the measurement/storage vessel.

Compl. specn. 35 pages.

Drgs. 3 sheets.

CLASS : 132-C.

155070.

Int. Cl. : B28c 5/00.

METHOD OF PREPARING PLUGGING MATERIAL.

Applicants : (1) LENINGRADSKY GORNY INSTITUT IMENI G.V. PLEKHANOVA, OF LENINGRAD, 21, LINIA 2, USSR AND (2) PROIZVODSTVENNOE GEOLOGICHESKOE OBIEDINENIE TSENTRALNYKH RAIONOV "TSENTRGEOLOGIA", OF 2 ROSCHINSKAYA 10, MOSCOW, USSR.

Inventors : 1. NIKOLAI IVANOVICH NIKOLAEV, 2. LEV ALESANDROVICH TERESCHENKO, 3. ARIAN MIKHAILOVICH YAKOVLEV, 4. VITALY IVANOVICH KOVALENKO, 5. RUBEN ARMENOVICH TATEVOSIAN, 6. MIKHAIL YAKOVLEVICH TTTOV, 7. NIKOLAI KONSTANTINOVICH LIPATOV.

Application No. 155/Cal/82 filed February 9, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A method for preparing a plugging material of an alumina-base cement by mechanical stirring of alumina cement with additives, of the pre-rated quantities to improve the physical and mechanical characteristics of the plugging material which consists in stirring by magnetized working bodies in an alternating electromagnetic field, and subsequently feeding a blend through a hatch to the inner space of a pressing chamber and subjecting to batch formation by compression with pressing elements at a pressure between 50 and 120 MN/m².

Compl. specn. 10 pages.

Drgs. Nil.

CLASS : 68-D & E.

155071.

Int. Cl. : H02j 13/00.

SLIDING WINDOW POWER DEMAND CONTROL SYSTEM.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : 1. WOODWARD CHEW CARTER II.

Application No. 862/Cal/82 filed July 27, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A power demand control system for maintaining, within a dead band about an assigned demand limit, the energy consumed by a plant including a plurality of loads selected to be switched from one of an ON and OFF status to the other in accordance with a priority schedule, wherein switching of said loads has a substantial effect on the energy consumption of the plant, the demand being determined at

successive sampling instants by the average power consumed for a predetermined number N of past time-intervals, each defined by two successive sampling instants, up to a present sampling instant; the control system comprising :

first means for successively determining the demand through a succession of (N-1) consecutive said time intervals ending at a present sampling instant;

second means for estimating at said present sampling instant the increment of demand during the time interval subsequent to said present sampling instant on the basis of the amount of power consumed at said sampling instant if maintained constant during said subsequent time interval;

third means for comparing said demand limit to the sum of the outputs of said first and second means for enabling switching at least one selected load when an error relative to said demand limit exceeds said dead band; and

means for switching a selected load in response to said third means for minimizing said error thereby to maintain the assigned demand limit while minimizing load switching manipulation.

Compl. specn. 43 pages. Drgs. 8 sheets.

CLASS : 92-E.

155072.

Int. Cl. : A23j 1/14.

PROCESS FOR THE PRODUCTION OF EDIBLE SANITIZED FLOURS FROM OIL-BEARING SEEDS.

Applicant : E.N.I. ENTE MAZIONALE IDROCARBURI, OF P.LE E. MATTEI 1, ROME, ITALY.

Inventors : 1. DIASSINA DI MAGGIO, 2. ALBERTO PATRICELLI AND 3. GIANCARLO SODINI.

Application No. 868/Cal/82 filed July 27, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A process for the production of edible microbiologically acceptable proteinic flours from oil-bearing seeds: straight or dechuffed, characterised by extraction with a solvent mixture composed of hydrocarbonaceous compound and an organic compound as herein described in a percentage variable from 1% to 50% on volume/volume basis and converting the deoiled seed to flour by conventional method.

Compl. specn. 17 pages. Drgs. Nil.

CLASS : 170 B + 170D.

155073.

Int. Cl. : C11d 1/00, 3/00.

DETERGENT BARS HAVING IMPROVED RESISTANCE TO SOGGINESS AND REDUCED RATE OF WEAR.

Applicant : HINDUSTAN LEVER LIMITED, 165-166, BACKBAY RECLAMATION, BOMBAY-400020, MAHARASHTRA, INDIA.

Inventors : (1) AYODHYA NATH BHAT & (2) BOO-KINKERE CHANNAKESHAVAIAH SUBBA RAO.

Application No. 74/Bom/1981 dated March 18, 1981.

Complete left after provisional on March 17, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims

A detergent bar having improved resistance to soggy and reduced rate of wear comprising from 5% to 65% by weight a detergent active material as herein described and from 0 to 60% by weight of detergent builder material is herein described and 1-2% by weight of an acid treated bentonite clay based on the weight of the bar.

Complete specification 7 pages; Drawings Nil.

Provisional specification 5 pages; Drawings Nil.

CLASS : 32E.

155074.

Int. Cl. : C 08 f 15/00, 47/00.

PROCESS FOR THE PREPARATION OF AN IMPROVED MACROPOROUS ANION EXCHANGER IN THE FORM OF SUBSTANTIALLY SPHERICAL BEADS ON DROPLETS.

Applicants : ION EXCHANGE (INDIA) LIMITED, TIE-CICON HOUSE, DR. E. MOSES ROAD, BOMBAY 400 011, MAHARASHTRA, INDIA.

Inventor : STEPHEN ERNEST MICHAEL.

Application No. 209/Bom/1981 filed on July 20, 1981.

Patent of addition to Indian Application No. 18/Bom/1977 filed on 10th June, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

12 Claims

A process for the preparation of an improved macroporous anion exchanger in the form of substantially spherical beads or droplets which comprises reacting in an aqueous solution containing electrolyte medium a homogeneous monomer phase containing a mono and a polyethylenically unsaturated monomer dispersed within a non-aqueous organic solvent such as herein described or a non-ionic surfactant such as herein described in the presence of a conventional granulating agent and a free radical polymerisation initiator, the copolymerisation being effected at a temperature in the range of 20°C to 150°C under conditions of controlled agitation of the reaction mixture to produce said copolymer in the form of substantially spherical beads or droplets, separating said beads from the reaction mixture by removing the solvent or surfactant in any known manner, washing the beads, drying them, subjecting the dried copolymeric beads to chloromethylation in a manner such as herein described, washing the chloromethylated copolymer thus obtained and finally aminating in a manner such as herein described the chloromethylated copolymeric beads to obtain the improved macroporous anion exchanger.

Complete Specification 12 pages; Drgs. Nil.

CLASS : 170 B + D.

155075.

Int. Class : C 11 d 1/00, 1/28.

A METHOD OF MANUFACTURING SODIUM ALPHA OLEFIN SULPHONATE FROM FATTY OIL.

Applicants : GODREJ SOAPS LTD., EASTERN EXPRESS HIGHWAY, VIKHROLI, BOMBAY-400 079, MAHARASHTRA, INDIA.

Inventors : 1. DR. BURJOR PIROJSHA GODREJ & 2. DR. NADIR BURJOR GODREJ.

Application No. 126/Bom/1982 filed May 12, 1982.

Complete after provisional left March 1, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

2 Claims

A method of manufacturing sodium alpha olefin sulphonate from fatty oil as herein defined, said method comprising converting said fatty oil into fatty acid in a known manner such as herein described, converting said fatty acid into saturated fatty alcohol in a known manner such as herein described, converting said saturated fatty alcohol into alpha olefin in a manner such as herein described and sulphonating, neutralising and hydrolysing said alpha olefin in known manners such as herein described to obtain the sodium alpha olefin sulphonate.

Complete specification 17 pages. Drawings Nil.

Provisional Specification 7 pages. Drawings Nil.
2—387GI/84.

CLASS : 9-D & 108-Baa.

155076.

Int. Cl. : C 21 b 5/02; C 22 b 47/00.

A METHOD OF MANUFACTURING FERROMANGANESE IN A SHAFT FURNACE.

Applicant : SKF STEEL ENGINEERING AKTIEBOLAG, OF P.O. BOX 202, S-813 00 HOFORS, SWEDEN.

Inventors : 1. SVEN SANTEN, 2. BORJE JOHANSSON.

Application No. 491/Ca/81 filed May 11, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A method of manufacturing a molten ferromanganese alloy from basic raw materials in coke lined shaft furnace, with a plasmagenerator arranged at the bottom thereof, characterized in that the raw materials together with coal in powder form are injected into a reduction zone in the coke lining in front of the plasmagenerator and that the coke-lining adds to the reduction.

Compl. specn. 4 pages. Drgs. Nil.

CLASS : 9-D & 108-C.

155077.

Int. Cl. : C 21 c 5/00; C 22 c 39/00.

A PROCESS FOR THE PRODUCTION OF AUSTENITIC WEAR RESISTANT STEEL.

Applicant : NYL SAVANGER STALL A/S, OF N-4100 JONELAND, NORWAY.

Inventors : 1. TOR HARTVIG, 2. PETER FJELLHEIM.

Application No. 69/Ca/81 filed June 27, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A process for the production of an austenitic wear resistant steel having good resistance and serviceability when subjected to abrasive and combined abrasive/impact stresses, from the conventional raw materials the process being characterised in that the composition of the steel produced consists essentially of, by weight :

16—25% Mn
1.0—2.0% C
0.5—5.0% Cr
0.2—2.0% Si
0.1—0.5% Ti
0.3—4.0% Mo

with or without up to 0.5% of one or more of Ce, Sn and/or carbide forming elements like V, W, Nb (Cb), the remainder being Fe and impurities; so as to obtain the desired austenitic wear resistant steel.

Compl. specn. 8 pages. Drgs. 1 sheet.

CLASS : 172-D; 172-E.

155078.

Int. Cl. : D 01 h 7/86.

PULL-OFF AID FOR DRAWING THREADS FROM AT LEAST TWO BOBBINS.

Applicant : PALITEX PROJECT COMPANY G.m.b.H., OF WEESERWEG 8, 4150 KREFELD 1, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. DIETER SCHACHT.

Application No. 818/Ca/81 filed July 21, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

A pull-off aid for drawing threads overhead from at least two supply bobbins 3 and 4 which are disposed coaxially one above the other, which pull-off aid comprises at least one disc 9 which can be slipped on to a bobbin carrier and whose

periphery is formed by the outer rims of partially mutually overlapping segments which are radially displaceably mounted so that the outer diameter of the disc is adjustable.

Compl. specn. 24 pages. Drgs. 7 sheets.

CLASS : 40-B; 56-B.

155079.

Int. Cl. : B01j 11/00; C10g 35/00.

A HYDROCARBON REFORMING CATALYST.

Applicant : UNITED CATALYSTS INC. LOUISVILLE, KENTUCKY, U.S.A.

Inventors : 1. KENTON ATWOOD, 2. JAMES HENRY WRIGHT.

Application No. 819/Cal/81 filed July 21, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A hydrocarbon reforming catalyst comprising a cylindrical refractory support selected from the group consisting of aluminum oxide, magnesium oxide, calcium oxide, magnesium aluminate, calcium aluminate and metal aluminate spinels, and having two or more gas passages extending axially there-through from one end to the other and a coating of a catalytically active metal comprising nickel or cobalt oxide in a concentration of 6% to 30% by weight expressed as the metal oxide, said catalyst having a Relative Activity Coefficient Factor (ACFR) and a Relative Pressure Factor (PF R) in excess of that when compared to a standard ring, said ACFR being in excess of 1 and the ratio of ACFR to said PF R being in excess of 1:1, the Height (H) of said support bearing a relationship to the effective internal diameter of each of said gas passages (ID), the ratio of H:ID being less than 4:1.

Compl. specn. 35 pages. Drgs. 4 sheets.

CLASS : 108-B₁.

155080.

Int. Cl. : C21b 13/02.

METHOD AND APPARATUS FOR THE DIRECT REDUCTION OF IRON IN A SHAFT FURNACE USING GAS FROM COAL.

Applicant : MDREX CORPORATION, ONE NONB PLAZA CHARLOTTE, NORTH CAROLINA 28280, U.S.A.

Inventors : 1. JOHN COMBS SCARLETT, 2. CHARLES WALTER SANZENBACHER.

Application No. 913/Cal/81 filed August 14, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 claims

A method for the direct reduction of iron oxide to metallic iron comprising :

- gasifying solid fossil fuel in a gasifier to produce a hot gasifier gas;
- cooling a portion of said hot gasifier gas and re-mixing it with the uncooled portion to form a tempered gas such as herein described having a temperature in the range of 750-1050°C;
- removing particulate matter from said tempered gas;
- introducing the particulate free tempered gas to the reduction zone or reducing zone of a direct reduction shaft furnace containing a burden consisting essentially of iron oxide, carbon-containing cold fossil fuel and limestone;

(e) passing said gas through said burden in counterflow relation therewith to upgrade and desulfurize the gas as herein described by reaction with carbon and limestone in the burden and to reduce the iron oxide in the burden to highly metallized particulate iron product, and forming a spent top gas; and

(f) removing said spent top gas, cooling and scrubbing said spent top gas to form a cool, clean fuel gas.

Compl. specn. 18 pages. Drgs. 1 sheet.

CLASS : 108-B₁.

155081.

Int. Cl. : C21b 13/02, 13/14.

PROCESS AND APPARATUS FOR DIRECTLY MAKING LIQUID PIG-IRON FROM COARSE IRON ORE.

Applicant : (1) KÖRF ENGINEERING GMBH, OF NOUSSERSTRASSE, 111, 4000 DUSSELDORF 1, FEDERAL REPUBLIC OF GERMANY, (2) VOEST-ALPINE AG, OF WERKSGELANDE, A-4010 LINZ, AUSTRIA.

Inventors : 1. RALPH WEBER, 2. BERNT ROLLINGER, 3. ROLF HAUKE, 4. MICHAEL NAGL, 5. BERNHARD RINNER.

Application No. 974/Cal/81 filed August 29, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

Process for directly making liquid pig-iron from coarse iron ore, in which the ore is charged as loose bulk material into a direct-reduction blast-furnace shaft and there reduced to sponge-iron by the action of a hot reducing gas, after which the sponge-iron particles are transferred hot by a discharging device and by gravity directly through at least one communicating passage into a smelter-gasifier arranged below said direct-reduction shaft which produces, from coal and a blown-in oxygen-bearing gas, both the heat necessary for melting the sponge-iron and the reduction gas, of which a first part-stream, after cooling to the temperature specified for the reduction of the ore, and after removal of dust is blown into the reduction zone of the blast-furnace shaft, characterised in that the hot particles of sponge-iron move directly through at least one communicating passage into the smelter-current, a second part-stream of reduction gas flowing counter-current to the sponge-iron particles through the same directly communicating passage from the smelter-gasifier to the blast-furnace shaft the second part-stream having a volumetric flow-rate not more than 30 percent of the total flow of reduction gas entering the blast-furnace shaft and having a temperature below 950°C in the communicating passage.

Compl. Specn. 13 pages. Drgs. 2 sheets.

CLASS : 80-1

155082.

Int. Cl. : B01d 35/16, 39/00.

A BACKWASHABLE FILTER.

Applicant : BRITISH SIDAC LIMITED, OF STAR HOUSE, 69 CLARENDON ROAD, WATFORD, HERTS-FORDSHIRE, WD1 1KJ, ENGLAND.

Inventors : 1. DENNIS EDWIN JAMESON, 2. DAVID OWEN RICHARDS.

Application No. 1119/Cal/81 filed October 13, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A backwashable filter including a generally cylindrical housing, an inlet opening into the housing and an outlet opening from the housing, a cylindrical filter basket within the housing and interposed between the inlet and outlet, and a backwashing arm bearing against the inside of the

filter basket and being rotatable about the axis of the filter basket, characterised in that the filter basket comprises a perforate core, a filter medium wrapped around the perforate core, and a perforate flexible outer clamping band wrapped around the outside of the filter medium with tensioning means to apply tension to the clamping band and thereby clamp the filter medium tightly against the perforate core.

Compl. specn. 13 pages. Drgs. 6 sheets.

CLASS : 107-H.

155083.

Int. Cl. F02 m 61/18.

FUEL INJECTION NOZZLES FOR USE WITH INTERNAL COMBUSTION ENGINES.

Applicant : LUCAS INDUSTRIES LIMITED, GREAT KING STREET, BIRMINGHAM, B 19 2XF, ENGLAND.

Inventors : 1. ROBERT THOMAS JOHN SKINNER, 2. JOHN WILLIAM CLEGG.

Application No. 1145/Cal/81 filed October 17, 1981.

Convention date 19th November, 1980 (37091/80) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A fuel injection nozzle for use with an internal combustion engine comprising a body having a fuel inlet which in use, is connected to a high pressure source of fuel, a resiliently loaded valve member slidable within the body, said valve member defining a surface against which the fuel under pressure can act to lift the valve member to an open position against the resilient loading to allow fuel flow to an outlet orifice, a bore extending through the body and connected with said inlet, the bore defining a reduced valve guide portion at its outer end, said valve member being located within said bore and having an outer end portion guided for movement by said valve guide portion, the valve member being loaded by said resilient means in an outward direction and said orifice being formed in the outer end portion of the valve member and having its upstream end positioned to be covered by said valve guide portion of the bore in the closed position of the valve member, said upstream end of the orifice being uncovered to the bore to permit flow of fuel through the orifice as the valve member moves to the open position.

Compl. specn. 12 pages. Drgs. 3 sheets.

CLASS : 50-B.

155084.

Int. Cl. F28 b 1/00.

A FILL MEMBER FOR WATER COOLING TOWER HAVING INTEGRAL SPACER STRUCTURE.

Applicant : THE MARLEY COMPANY, 5800 FOX-RIDGE DRIVE, MISSION, COUNTY OF JOHNSON, KANSAS 66202, U.S.A.

Inventors : 1. THOMAS WILLIAM BUGLER III, 2. DONALD JOSEPH LILLIG, 3. THOMAS LANG BROWN, 4. OHLER LAVERN KINNEY JR.

Application No. 1183/Cal/81 filed October 23, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A fill member, comprising :

a thin, integral sheet of material configured to present a plurality of spaced, outwardly extending spacers thereon,

said spacers each including a pair of spaced, closely adjacent outwardly extending wall segments defining a corresponding elongated indexing unit.

said units being oriented such that the longitudinal axes of at least certain of the units are disclosed transversely of the longitudinal axes of others of said units,

said wall segments being in the form of spaced, opposed end walls, there being a pair of opposed recess-defining walls between said end walls and a narrow, elongated top wall joining said end walls,

each of said recess-defining walls including inwardly extending, shoulder-defining bottom walls, the bottom walls being spaced apart a distance for engaging the ends of a top wall of another of said units on an adjacent fill member.

Compl. specn. 15 pages. Drgs. 3

CLASS : 14-A₁.

155085.

Int. Cl. H01 m 35/00.

ALKALI METAL CHLORIDE ELECTROLYZING CELL.

Applicant : ASAHI GLASS COMPANY LIMITED, NO. 1-2, MARUNOUCHI 2, CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. KIMHIKO SATO, 2. YASUO SAJIMA, 3. MAKOTO NAKAO, 4. JUNJIRO IWAMOTO.

Application No. 1263/Cal/81 filed November 13, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

An alkali metal chloride electrolyzing cell which comprises a cation-exchange membrane disposed between an anode and a cathode, characterized in that said cation-exchange membrane has on at least one side thereof a gas and liquid permeable, porous layer with no electrode activity, and at least one of an anode and a cathode is a voided flexible electrode having a more rigidity than that of said cation-exchange membrane, and said flexible electrode is designed to be forcibly deformed thereby closely contacting said cation-exchange membrane with the surface of each of said electrodes.

Compl. specn. 37 pages. Drgs. 3 sheets.

CLASS 97-B & F.

155086.

Int. Cl. H01 r 3/08; H05 b 7/18.

ELECTRODE FOR ELECTRIC ARC FURNACE.

Applicant : ARC TECHNOLOGIES SYSTEMS LTD., OF BOX 61, GRAND CAYMAN, CAYMAN ISLANDS, BRITISH WEST INDIES.

Inventors : 1. DR. DIETER ZOLLNER, 2. DIPL. ING. CLAUDIO CONRADTY, 3. OBERING FRIEDRICH RITTMANN.

Application No. 1319/Cal/81 filed November 24, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

30 Claims

An electrode for arc furnaces, especially for the production of electrosteel, comprising an electrical current conducting metallic, liquid-cooled upper electrode shaft portion and a consumable lower active portion, wherein a securing means detachably connecting the upper electrode shaft portion and the consumable active portion is provided, whereby an electrical contact surface of the active portion is pressed against and forcibly retained against an electrical contact surface of the upper electrode shaft portion, the securing means being a clamping means effecting both an essentially compressive pressure-load upon the material of the active portion and a drawing force upon the active electrode portion is drawn forcibly against the contact surface of the upper electrode shaft portion.

Compl. specn. 30 pages. Drgs. 6 sheets.

CLASS : 35-F; 108-C.

155087.

Int. Cl. C21 c 5/48; F27 d 1/00.

PROCESS FOR FORMING THE BOTTOMS OF METALLURGICAL RECEPTACLES.

Applicant : INSTITUT DE RECHERCHES DE LA SIDERURGIE FRANCAISE IRSID, OF 185, RUE PRESIDENT ROOSEVELT, 78105 SAINT GERMAIN-EN-LAYE, FRANCE.

Inventors : 1. JEAN-CLAUDE GROSTEAN, 2. JEAN-MARIE LANDRY.

Application No. 1369/Cal/81 filed December 2, 1981

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

Process for constructing the bottom of a metallurgical converter of the type having a metal base plate, in succession, at least one layer of a refractory material, a first layer of refractory bricks and then a second layer of refractory bricks incorporating permeable refractory elements provided with lateral metallic sheathing and intended to make possible the blowing of gas through the bottom into the metallurgical converter characterized in that the said permeable refractory elements are first inserted in the first layer of refractory bricks and then, around each of the said permeable refractory elements, there are juxtaposed bricks made of a material swelling with rise of temperature without using sealing joint between the permeable elements and the bricks, the construction of said second layer being finished with refractory bricks of normal type.

Compl. specn. 11 pages. Drgs. 3 sheets.

CLASS : 144-A.

155088.

Int. Cl. B05 b 5/02.

APPARATUS FOR CONTINUOUSLY ELECTROSTATICALLY COATING AN ELONGATED OBJECT.

Applicant : ALLIED TUBE & CONDUIT CORPORATION, OF 16100 SOUTH LATHROP AVENUE, HARVEY, ILLINOIS 60426 UNITED STATES OF AMERICA.

Inventors : 1. ARTHUR EDWARD OSTROWSKI, 2. JOSEPH MARTIN POLICH.

Application No. 1387/Cal/81 filed December 4, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

Apparatus for electrostatically coating an electrically grounded, elongated object such as wire, pipe, conduit or strips, of indefinite length moving along a straight-line path comprising a substantially closed chamber having an inlet port through which the elongated object enters said chamber, an outlet port through which the elongated object exists said chamber, and stand offs formed of non-conducting material that electrically insulate said chamber from ground; a coating supply system; an electrostatic coating applicator gun that atomizes and charges coating material at a portion of the elongated object within said chamber; a portion of said mount being formed of non-conducting material for electrically isolating said applicator gun from said chamber to prevent grounding of said chamber; a pressurized gas source for providing combustibly inert carrier gas to said chamber; and an exhaust unit for removing coating-laden carrier gas from said chamber.

Compl. specn. 21 pages. Drgs. 3 sheets.

CLASS : 172-D.

155089.

Int. Cl. D01h 7/00

PULLEY FOR USE IN PARTICULAR IN THE TEXTILE INDUSTRY.

Applicant : NADELLA 133/137 BOULEVARD NATIONAL, 92503 RUFIL MALMAISON (FRANCE).

Inventor : 1. MALLET BERNARD.

Application No. 1475/Cal/81 filed December 30, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A pulley for use in particular in the textile industry, the rotor of which is of a cup-shaped press-formed sheet metal and comprises a rim of cylindrical shape and a radially extending web which, by the hub thereof, is rigid with a shaft which is rotatively mounted by means of a radial rolling bearing in a fixed sleeve which is rigid with a side wall whose periphery forms a cylindrical flange coaxially engaged with a radial clearance inside the rim in the region of the free edge of said rim, wherein, in the rotor, there is also formed the hub of tubular shape in which hub is fitted said shaft and whose outer surface constitutes a raceway for the radial rolling bearing which is a needle bearing, and the sleeve comprises an annular shoulder through which an axial thrust initially exerted by a radial flange of the shaft determines the relative axial position between a fixed abutment surface and the radial web of the rotor.

Compl. specn. 10 pages. Drgs. 1 sheet.

CLASS : 62-A₂ & B.

155090.

Int. Cl. D06 m 1/00.

A PROCESS FOR DE-SIZING AND BLEACHING WOVEN FABRICS.

Applicant : PCUK PRODUITS CHIMIQUES UGINE KUHLMANN, OF TOUR MANHATTAN LA DEFENSE 2, 5 & 6 PLACE DE L'IRIS, 92400 COURBEVOIE, FRANCE.

Inventor : 1. JEAN-MARIE CHOLLEY.

Application No. 1482/Cal/81 filed December 31, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A process for de-sizing and bleaching fabrics in a single operation, which process comprised treating the fabric in a bath comprising hydrogen peroxide, a chelating agent, and an enzymatic preparation including a starch-degrading enzyme and a surfactant, characterised in that said bath further contains sodium hydroxide to such extent that the treatment is carried out at a pH between the upper pH value of the pH stability range of the starch-degrading enzyme and 10.5.

Compl. specn. 10 pages. Drgs. Nil.

CLASS : 32-E.

155091.

Int. Cl. C08 f 25/00.

PROCESS FOR THE GRAFTING OF COPOLYMERS ON TO GUAR GUM.

Applicant : INDIAN EXPLOSIVES LIMITED, OF ICI HOUSE, 34 CHOWRINGHEE ROAD, CALCUTTA-700071, WEST BENGAL, INDIA; THE ALKALI AND CHEMICAL CORPORATION OF INDIA LIMITED, OF ICI HOUSE 34 CHOWRINGHEE ROAD, CALCUTTA-700071, WEST BENGAL, INDIA AND CHEMICALS AND FIBRES OF INDIA LIMITED, OF CRESCENT HOUSE, 19 WALCHAND HIRACHAND MARG, BOMBAY-400038, MAHARASHTRA, INDIA.

Inventor : 1. RAKESH MEHROTRA.

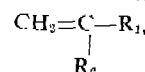
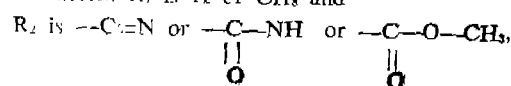
Application No. 836/Cal/80 filed July 22, 1980.

Complete specification left 15th October, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for the grafting of copolymers on to guar gum which comprises graft polymerisation of a vinyl/vinylidene monomer of the following formula :

wherein R₁ is H or CH₃ and

on to guar gum or a derivative thereof in the presence of an initiator.

Compl. specn. 13 pages. Drgs. Nil.
Provisional specn. 11 pages.

CLASS : 51-B & C.

155092.

Int. Cl. B26 b 3/00.

A DEVICE FOR REMOVING FROM A VEHICLE, SUCH AS A MOTOR VEHICLE, WINDSCREEN OR OTHER GLASS PANEL SECURED IN THE VEHICLE BY AN ELASTOMERIC SEALING STRIP.

Applicant & Inventor : TREVOR STANLEY LOCK, OF 16 BAILEY STREET, EAGLEHAWK, IN THE STATE OF VICTORIA, 3556, AUSTRALIA.

Application No. 829/Cal/81 filed July 23, 1981.

Convention dated 24th July 1980 (PE 4673) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A device for removing from a vehicle, such as a motor vehicle, a windscreen or other glass panel secured in the vehicle by an elastomeric sealing strip, said device comprising an elongated flexible blade having a sharpened edge at one end and means at the other end to allow the blade to be manually gripped or operably gripped by a reciprocating power tool, characterized in that said sharpened edge extends along a short length of at least one longitudinal edge of said blade from said one end, said sharpened edge being located in the plane of one face of the flexible blade.

Compl. specn. 7 pages. Drgs. 2 sheets.

CLASS 40-F.

155093.

Int. Cl. B01 f 15/04.

APPARATUS FOR PRODUCING SUGAR SOLUTION OF CONSTANT DENSITY FROM SUGAR AND DISSOLVING FLUID.

Applicant : HEIN, LEHMANN AKTIENGESELLSCHAFT, OF FICHTENSTR. 75, D-4000 DUSSELDORF 1, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. GUNTER TROJAN.

Application No. 988/Cal/81 filed September 2, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

Apparatus for producing a sugar solution of constant density from sugar and dissolving fluid comprising a continuously operating centrifuge means for supplying controlled quantity of illes for separating into sugar and out flow and an adjustable regulating member for dosing the dissolving fluid to the sugar solution, in which the dosing is controlled by which is provided for measuring the density of said sugar solution by acting upon said adjusting member via a regulator.

Compl. specn. 13 pages. Drgs. 1 sheet.

CLASS : 34-A

155094

Int. Cl. : C 10 k 1/34.

PROCESS FOR THE CATALYTIC TREATMENT OF CRUDE GAS PRODUCED BY PARTIAL OXIDATION.

Applicant : KRUPP-KOPPERS GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, OF MOLTKESTRASSE 29, 4300 ESSEN 1, GERMANY.

Inventors : 1. BERNHARD FIRNHABER, 2. GOTTHARD ZIEGNER.

Application No. 989/Cal/81 filed September 3, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for the catalytic removal of nitric oxides, SO₂ and oxygen from crude gas which is produced by partial oxidation (gasification) of solid and/or liquid carbon-containing material at temperatures of between 1000° and 2000°C which is to be processed for various applications, characterised in that after the crude gas has had the pulverulent impurities removed and has been cooled to a temperature of between 70 and 250°C, but before its further treatment, it is passed over a catalyst at a pressure of between 1 and 100 bars and at a space velocity of between 3,000 and 30,000 Nm³ gas per m³ catalyst and per hour, the catalyst containing as active component 2-65% by weight (based on the total catalyst mass) of iron in sulphidic form, as a sulphidised mixture of iron and chromium oxides or a sulphidised Fe III hydroxide-containing material.

Compl. specn. 13 pages.

Dr. Nil.

CLASS : 32-F, 32-F₂a; 55-D.

155095

Int. Cl. : A 01 n 9/00; C 07 c 27/60.

PROCESS FOR THE N-DENITRATION OF N, 2, 6-TRINITROANILINES WITH PHASE TRANSFER CATALYSTS.

Applicant : AMERICAN CYANAMID COMPANY, AT WAYNE, NEW JERSEY, UNITED STATES OF AMERICA.

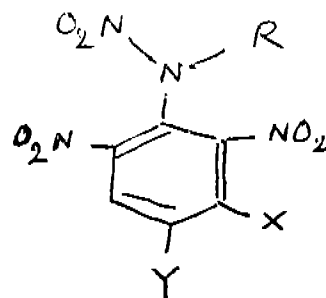
Inventors : 1. WILLIAM ALAN DANIELSS, 2. RAINER KURT ZAWADZKI.

Application No. 1000/Cal/81 filed September 7, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

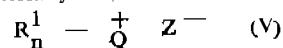
A process for the N-denitration of a compound of formula I of the accompanying drawings



Formula I

wherein R is C₁-C₆ alkyl, C₄-C₆ cycloalkyl, C₁-C₄ monohaloalkyl or C₁-C₄ alkoxy (C₂-C₄ alkyl); Y is C₁-C₄ alkyl halogen or CF₃; X is hydrogen, C₁-C₄ alkyl, C₁-C₄ alkoxy, C₁-C₄ monohaloalkyl or C₁-C₄ alkoxy (C₁-C₄ alkyl); comprising :

reacting the said compound of formula (I) with 0.15 to 4.0 molar amount of a phase transfer catalyst selected, from ternary and quaternary salts of formula (V)



wherein n is an integer of 2, 3 or 4; and thus R¹ represents two, three or 4 substituent in formula V compound, wherein each of these may be the same or different and is selected from C₁-C₁₀ alkyl (straight chain or branched), C₇-C₇ cycloalkyl optionally substituted with C₁-C₄ alkyl, benzyl, substituted benzyl, phenyl or substituted phenyl wherein the substituent is halogen, C₁-C₃ alkyl, C₁-C₃ alkoxy; & is N, P, As or S; anion Z is Cl, Br, I, HSO₄, CH₃SO₃, H₂PO₄, or H₂PO₃, and macrocyclic and macrobicyclic ether such as herein defined in the presence of water-immiscible solvent of ethylene dichloride, chloroform, monochlorobenzene or carbon tetrachloride; and in the presence of an aqueous solution of an alkali hydroxide or carbonate or ammonium hydroxide in amounts sufficient to maintain at least pH 7 throughout the reaction; and wherein the thus obtained two-phase reaction

mixture is agitated at reflux until there action is essentially complete followed by the separation of the organic layer from the two phase reaction mixture.

Compl. specn. 24 pages.

Drg. 2 sheets.

CLASS 55-D

155096

Int. Cl. : A 01 n 9/14.

HERBICIDAL COMPOSITION.

Applicant : KUMAI CHEMICAL INDUSTRY CO., LTD., OF 4-26, IKENOHATA 1-CHOME, TAITOH-KU, TOKYO, JAPAN.

Inventors : 1. SHOJI SHIGEMATSU, 2. YUJI YAMADA, 3. ICHIRO KIMURA.

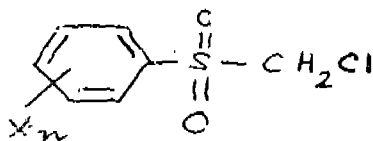
Application No. 1365[Cul]82 filed November 24, 1982.

Complete Specification left, 18th November 1983.

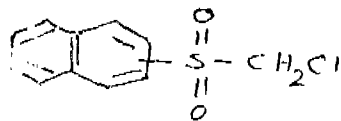
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

A process for the preparation of a herbicidal composition comprising admixing 100 parts by weight of herbicidally active compound S-(4-chlorobenzyl)-N, N-dicthylthiocarbamate and I to 100 parts by weight of a chloromethane sulfonyl selected from the group of compounds of formula I or II



Formula I



Formula II

where X is a halogen atom, an alkyl group, a nitro group, a thiocyanate group or a maleimide residue and n is an integer 0, 1, 2 or 3, with or without the addition of one or more additionally herbicidally active ingredients selected from the group consisting of ethyl 4-chloro-2-methylphenoxybutyrate, 3-isopropyl-1H-2, 1, 3-benzothiadiazine-(4)- (3H)-one-2, 2-dioxide, 2, 4, 6-trichlorophenyl-4'-nitro-phenyl ether, 4-(2, 4-dichlorobenzoyl)-1, 3-dimethyl-pyrazole-5-yl-p-toluene sulfonate 2-(2-naphthoxy)-propione anilide, 2-methylthio-4, 6-bisethylamino-S-triazine, 2, 4-dichlorophenoxy acetic acid, N-(w, 4-dichlorophenyl) propionamide and S-ethyl-hexahydro-1H-azepine-1-carbothioate.

Compl. specn. 60 pages.

Drg. Nil.

Provisional specn. 56 pages.

Drg. 4 sheets.

CLASS : 170 B+D

155097

Int. Cl. : C 11 d—1/00, 3/00, 9/00.

PARTICULATE, SOAP-BASED DETERGENT COMPOSITION.

Applicants : HINDUSTAN LEVER LIMITED, 165-166, BACKBAY RECLAMATION, BOMBAY-1, MAHARASHTRA, INDIA.

Inventors : (1) HENDRIK WILLEM BROUWER & (2) SIMON NICO HEMMES.

U.K. Convention date June 20, 1980.

Application No. 174[Bom]1981, dated June 17, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

3 Claims

A particulate soap based detergent composition having improved overall detergency comprising 0.5 to 99% by weight of a soap component and 99.5 to 1% by weight of synthetic detergent active material as herein described, the said soap component being made of (i) 10-100% by weight of sodium linoleate (ii) 0 to 90% by weight of sodium soap of C_{10} to C_{24} monounsaturated fatty acids and (iii) 0 to 30% by weight of a sodium soap of C_{10} to C_{24} saturated fatty acids, with the proviso that said component is substantially free of or contains not more than 5% by weight of a sodium soap of lauric acid or myristic acid.

Compl. specn. 9 pages.

Drg. Nil.

CLASS : 170 B+D

155098

Int. Cl. : C11 d-1/00, 3/00, 9/00.

AQUEOUS SOAP BASED LIQUID DETERGENT COMPOSITION.

Applicants : HINDUSTAN LEVER LIMITED, 165-166, BACKBAY RECLAMATION, BOMBAY-1, MAHARASHTRA, INDIA.

Inventors : HENDRIK WILLEM BROUWER, SIMON NICO HEMMES, JACOB ADRIAAN VAN DE GRIEND.

U.K. Convention date June 20, 1980.

Application No. 175[Bom]81 dated June 17, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

4 Claims

An aqueous soap-based liquid detergent composition comprising from 2.5 to 40% by weight of soap component, the remainder being liquid detergent component with or without conventional additives as herein described, the soap component being made up of (i) 10-100% by weight of sodium linoleate, (ii) 0 to 90% by weight of sodium soap of C_{10} to C_{24} mono unsaturated fatty acid as herein described and (iii) 0 to 20% by weight of sodium soap of a saturated C_{10} to C_{24} fatty acid with proviso that said composition contains not more than 5% by weight of sodium laurate or sodium myristate.

Compl. specn. 8 pages.

Drg. Nil.

CLASS : 32 F3(a), 189

155099

Int. Cl. : C 07c-67/00, 69/00, 97/00, A61K-7/00.

TITLE : A PROCESS FOR THE PREPARATION OF ACYLOXYMETHYL DERIVATIVE CAPABLE OF BEING USED AS PERFUMERY COMPONENTS FROM HYDRO-CARBON BY-PRODUCT.

Applicant : HINDUSTAN LEVER LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913, AND HAVING ITS REGISTERED OFFICE AT HINDUSTAN LEVER HOUSE, 165-166 BACKBAY RECLAMATION BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventor : VINCENT PAUL.

Application No. : 73[Bom]1981 filed on March 18, 1981.

Complete after provisional left on March 17, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

4 Claims

A process for the preparation of acyloxymethyl derivative capable of being used as perfumery components, from hydrocarbon by-product obtained in the preparation of linalol from beta pinene or myrcene as herein described which comprises subjecting the said hydrocarbon by-product to a reaction with paraformaldehyde and a mono-carboxylic acid having not more than six carbon atoms at the refluxing temperature and extracted with organic solvent such as hexane followed by subjecting the reaction product thus obtained to vacuum distillation at a pressure ranging from 5 to 1.5 mm Hg at temperature in the range of 98° to 154°C.

Complete specn. 8 pages.

Drg. Nil.

Provisional specn. 4 pages.

Drg. Nil.

CLASS : 89; 195-D

155100

Int. Cl. : F 16 k 51/00.

CLAMPING APPARATUS FOR TESTING A FLANGED DEVICE.

Applicant & Inventor : EMMETT LEE DUNN, OF 103 LAZY SPRINGS, MONTGOMERY, TEXAS 77356, UNITED STATES OF AMERICA.

Application No. 982/Cal/80 filed August 27, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

A clamping apparatus for testing a flanged device having a casing defining a chamber and at least one annular end flange, comprising a horizontal test plate having a fluid inlet, said flange being disposed on the plate underneath said flange, said inlet being in fluid communication with said chamber through said sealing element, characterized in that said apparatus (1, 1a) comprises at least one clamping unit (10) having :

a lever (18) disposed in a radial direction relative to the center of said annular flange (4), said lever having an outer end (18a) detachably resting on an underlying support (17a, 38a) and an inner end (18b) gripping a portion of said flange.

a fulcrum (13) fixedly mounted above said lever intermediate its inner and outer ends, said lever being adapted to pivot about said fulcrum, and force-producing means (15a, 40a) exerting a controllable vertical force against one end of said lever, thereby causing the inner end of said lever to exert a predetermined, downward clamping pressure on said flange, said clamping pressure compressing said sealing element (31, 32) whereby a fluid-tight connection is established between said flange and said plate to allow said chamber (3a) in said device (2) to accept a high-pressure fluid (26) through said fluid inlet (23) in said plate (22) for testing said device.

Compl. specn. 14 pages.

Drg. 2 sheets.

PATENTS SEALED

145221 145223 145316 145317 145322 145323 145328 150643
151703 151817 151882 151907 151916 151920 151935 152096
152098 152118 152119 152156 152189 152227 152229 152258
152269 152270 152271 152272 152308 152337 152437 152439
152460 152461 152530.

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCE OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the date of the patents.

No.	Title of the invention.
139455 (25.05.1973)	Fluidised catalyst regeneration process.
142607 (21.08.1975)	A process for the preparation of urea formaldehyde or melamine formaldehyde moulding powders.
145517 (18.10.1977)	Process for the preparation of a hydrogen rich gas.
146150 (29.01.1977)	Method for the high yield polymerisation of α -olefins
146399 (06.04.1978)	A process for preparing nutritional food products.
146516 (26.10.1977)	Esterification of hydrocarbyl substituted succinic anhydrides.
146520 (15.06.1977)	Preparation of methacrylic acid from methacrolein and acrylic acid from acrolein.
146554 (22.03.1978)	Improved vapour phase isomerisation of methyl substituted aromatic hydrocarbons.
146627 (23.08.1977)	Process for preparing an aromatic carbonate.
146652 (12.08.1974)	Process for the preparation of carboxylic acid anhydrides.

RENEWAL FEES PAID

124146 128073 128397 129389 130926 131472 131473 132414
132694 133862 133879 133921 133928 133934 133956 134184
134538 135318 135350 135388 136067 137291 137602 137738
138110 138167 139618 139626 140094 140339 140646 140782
140867 140949 141007 141177 141649 141861 142142 142314
142326 142352 142566 142698 143265 143448 143486 143550
143565 143602 144136 144631 144689 144920 145046 145230
145274 145466 145517 145882 145931 146151 146307 146378
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150471 150551 150721 150921 151010 151104 151181 151182
151227 151308 151342 151349 151350 151354 151377 151389
151466 151470 151471 151582 151627 151628 151632 151651
151657 151660 151662 151690 151691 151692 151693 151695
151705 151710 151714 151815 151829 151871 151912 152111
152172 152185 152193 152195 152200 152213 152220 152277
152279 152281 152283 152285 152292 152327 152329 152330
152356.

CLASSIFICATION OF PATENTS

135128 146624 150772.

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 145559 dated the 8th July, 1977 made by Premium Coke Manufacturing Co. Pvt. Ltd. on the 5th March, 1984 and notified in the Gazette of India, Part III, Section 2 dated the 4th August, 1984 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

- Class 1. No. 154414. Globe Super Parts Proprietor Super Parts Private Limited, 14/1, Mathura Road, P.O. Amarnagar, Faridabad, Haryana, India. An Indian Company. "Hexagonal nut". 16th May, 1984.
- Class 1. No. 154457. Kayson Metallic Corporation of Krishna Nagar, Mathura (U.P.), India, a Registered partnership Concern. "TAP". 30th May, 1984.
- Class 1. No. 154458. Kayson Metallic Corporation of Krishna Nagar, Mathura (U.P.), India, a Registered Partnership Concern. "TAP". 30th May, 1984.
- Class 1. No. 155019. Eagle Flask Private Limited, a company incorporated under the Indian Companies Act, at Eagle Estate Talegaon 410 507, Dist. Pune, State of Maharashtra, India. "Cigarette Lighter". 31st October, 1984.
- Class 1. No. 154443. Commander Appliances, a partnership firm of WH-117, Phase-I, Maya Puri Industrial Area, New Delhi-110064, India. "Baking Appliance". 25th May, 1984.
- Class 3 No. 155017. Bata India Limited, a Public Limited Company Incorporated under the Indian Companies Act and having its registered office at 30, Shakespeare Sarani in the town of Calcutta, West

Bengal. "a sole of the Footwear". 31st October, 1984.

Class 3. No. 155015. Bata India Limited, a public Limited Company incorporated under the Indian Companies Act and having its registered office at 30, Shakespeare Sarani in the town of Calcutta, West Bengal. "a sole of the footwear". 31st October, 1984.

Class 3. No. 155013. Bata India Limited, a public Limited Company incorporated under the Indian Companies Act and having its registered office at 30, Shakespeare Sarani in the town of Calcutta, West Bengal. "a sole of the footwear". 31st October, 1984.

Class 3. No. 154393. Hari Om Enterprises a registered partnership firm of 50, Kakad Industrial Estate Lady Jamshedji Road, Mahim, Bombay-400 016, Maharashtra State, Manufacturers and Merchants. "Toy ring (Ring-o-back)". 10th May, 1984.

Class 5. No. 154563. The Parker Pen Company, a company organised and existing under the laws of the State of Delaware, United States of America, of one Parker Place, Janesville, Wisconsin 53545, United States of America. "A Package For Pen Or Pencil Or The Like". 29th June, 1984

Extn. of copyright for the Second period of five years.

No. 149062. Class 1.
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